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(54) Title: AN IMPROVED PROCESS FOR THE PREPARATION OF CEFDITOREN

(57) Abstract: The present invention relates to an improved process for the preparation of Cefditoren of formula (I), the said process comprising the steps of: i) converting the compound of formula (II) to a compound of the formula (III) using TPP and sodium iodide in the presence of THF, water, and base; ii) reacting the compound of formula (III) with 4-methyl-5-formyl-thiazole to produce a compound of formula (IV); iii) deesterifying the compound of the formula (IV) to yield compound of formula (V); iv) converting the compound of formula (V) to compound of formula (VI) in the presence of a base and solvent; v) converting the compound of formula (VI) into compound of formula (VII) by enzymatic hydrolysis; and vi) reacting compound of formula (VII) with compound of formula (VIII) in the presence of solvent and base to produce compound of formula (I).

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